June 12, 2000

Ms. Rose Scott
California Regional Water Quality Control Board
3737 Main Street, Suite 500
Riverside, California 92501-3339

RE: Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

Dear Ms. Scott:

Please find enclosed the First Quarter 2000 Groundwater Monitoring and Sampling Report for the subject location, prepared for ExxonMobil Remediation Services by TRC Alton Geoscience, Inc. The contents of this report include:

Summary Sheet
Exhibit 1 Sampling Schedule
Exhibit 2 Summary of Groundwater Levels and Chemical Analysis Results
Exhibit 3 Figures
Exhibit 4 Groundwater Elevation vs. Benzene Graphs
Exhibit 5 Well Purging and Groundwater Sampling Protocol
Exhibit 6 Monitoring Well Sampling Forms
Exhibit 7 Analytical Laboratory Data Sheets
Exhibit 8 Manifests

Should you have any questions, please call F.E. Buddy Hand, ExxonMobil Remediation Services, at (310) 212-1877 or John Trompeter, TRC Alton Geoscience Senior Associate, at (949) 753-0101, ext.104.

Sincerely,

John Trompeter, RG
Senior Associate, Irvine Operations

cc: Buddy Hand, ExxonMobil Remediation Services
Manjulika Chakrabarti, California Regional Water Quality Control Board

230134/JALKGWR1.QMS

TABLE KEY

ABBREVIATIONS / SYMBOLS

mg/l	=	milligrams per liter
ppb	=	parts per billion
ppm	=	parts per million
µg/l	=	micrograms per liter
µg/kg	=	micrograms per kilogram
Trace	=	less than 0.01 foot of LPH in well
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
DHS	=	Department of Health Services
DNA	=	data not available
HVOC	=	halogenated volatile organic compounds
LPH	=	liquid-phase hydrocarbons
MTBE	=	methyl tertiary butyl ether
NGVD	=	National Geodetic Vertical Datum
N/A	=	not applicable
ND	=	not detected at or above laboratory detection limit
ORC	=	oxygen releasing compounds
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
PCB	=	polychlorinated biphenyls
USTs	=	underground storage tanks
--	=	not analyzed, measured, or collected

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:
Surface elevation — depth to water + (0.75 x LPH thickness).

Change in Elevation = the difference in groundwater elevation since previous event.

Exhibit 1

Sampling Schedule

Exhibit 2

Summary of Groundwater Levels and Chemical Analysis Results

Table 1

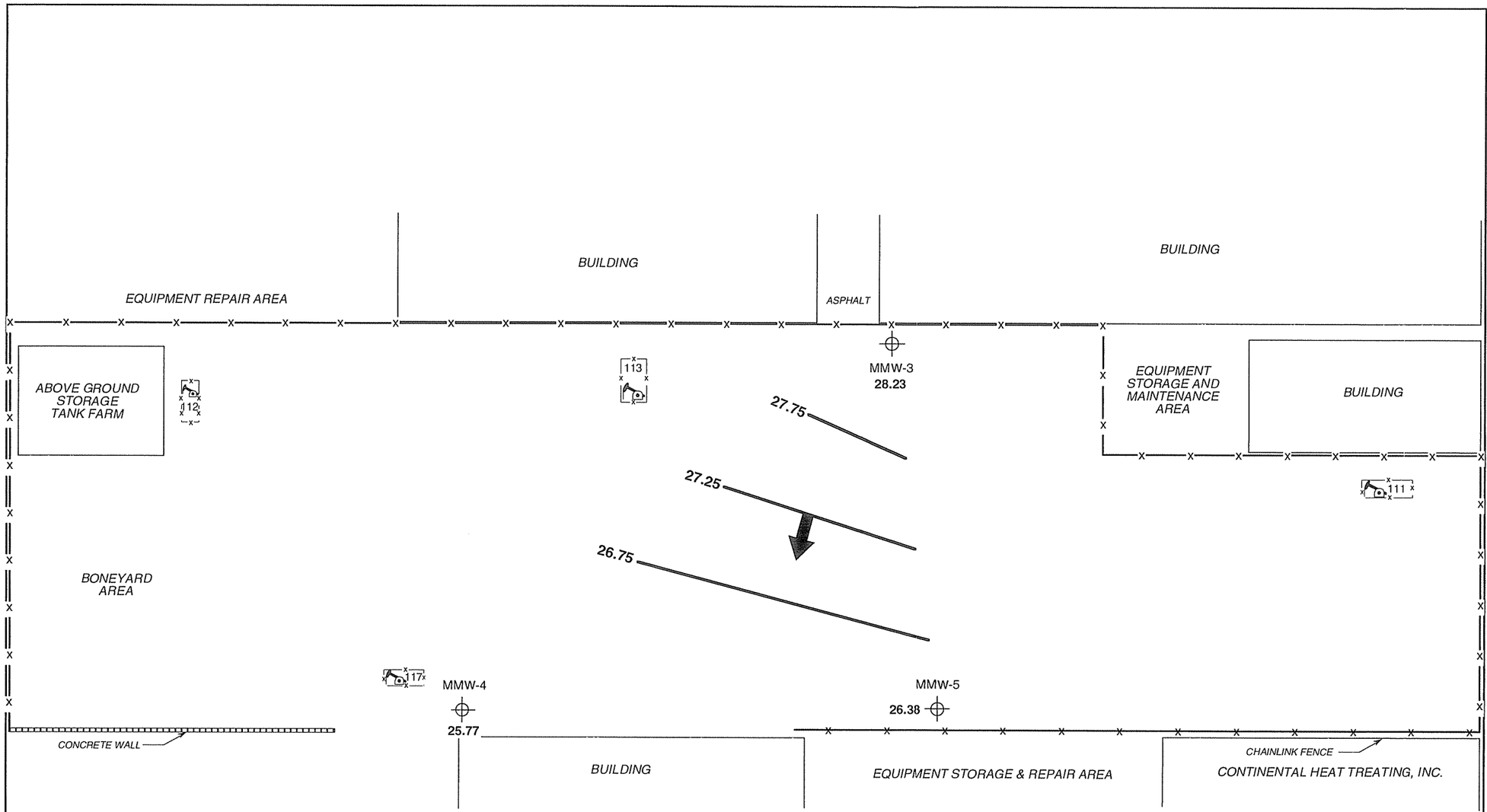
RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
March 1994 through March 2000
Mobil Jalk Fee Property

Well ID	Date	Top of Casing Elevation	Depth to Water (fbg)	Groundwater Elevation (fbg)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	PCE (µg/l)	TCE (µg/l)	1-1, DCA (µg/l)	1,1-DCE (µg/l)
MMW-3	03/15/94	134.26	64.92	69.34	ND	4	13	26	101	--	5	25	2	10
	06/22/94	134.26	63.08	71.18	ND	ND	ND	ND	ND	--	4	24	2	8
	09/16/94	134.26	64.34	69.92	ND	ND	3	ND	6	--	ND	12	ND	3
	12/16/94	134.26	66.21	68.05	ND	ND	8	2	8	--	3	17	2	5
	03/08/95	134.26	64.95	69.31	ND	28	28	2	18	--	4	20	2	2
	03/26/97	99.17	62.25	36.92	ND	ND	ND	ND	ND	--	12	23	2	7
	08/03/98	99.17	61.12	38.05	ND	ND	ND	ND	ND	ND	8	21	2	6
	10/22/98	99.17	62.07	37.1	--	--	--	--	--	--	--	--	--	--
	03/21/00	99.17	71.74	27.43	ND	6.6	ND	ND	ND	6.5	280	190	14	180
MMW-4	03/15/94	131.4	64.36	67.04	ND	ND	4	10	38	--	4	18	ND	2
	06/22/94	131.4	62.73	68.67	ND	ND	ND	ND	ND	--	2	16	ND	ND
	09/16/94	131.4	64.32	67.08	ND	ND	ND	ND	ND	--	ND	6	ND	ND
	12/16/94	131.4	66.10	65.3	ND	ND	7	3	9	--	1	6	ND	ND
	03/08/95	131.4	65.38	66.02	ND	2	2	ND	1	--	5	9	ND	ND
	03/26/97	96.34	61.57	34.77	ND	ND	ND	ND	ND	--	4.20	4	ND	ND
	08/03/98	96.34	60.86	35.48	ND	ND	ND	ND	ND	ND	2	4	ND	ND
	10/22/98	96.34	61.93	34.41	--	--	--	--	--	--	--	--	--	--
	03/21/00	96.34	74.34	22	ND	1.3	ND	ND	ND	ND	160	180	11	120
MMW-5	03/15/94	133.38	66.26	67.12	ND	ND	ND	11	37	--	330	60	ND	5
	06/22/94	133.38	64.45	68.93	ND	ND	ND	ND	ND	--	930	100	ND	ND
	09/16/94	133.38	65.61	67.77	ND	ND	ND	ND	ND	--	830	82	ND	ND
	12/16/94	133.38	67.34	66.04	ND	ND	1	2	1	--	1,400	140	ND	5
	03/08/95	133.38	66.16	67.22	ND	ND	ND	ND	ND	--	2,200	180	ND	ND
	03/26/97	98.33	63.45	34.88	400	ND	ND	ND	ND	--	1,100	88	ND	ND
	10/22/98	98.33	63.34	34.99	ND	ND	0.40	ND	0.60	ND	--	--	--	--
	03/21/00	98.33	72.90	25.43	ND	12	2.6	4.9	2.2	ND	2.4	57	1.9	8.1

Notes:
PCE = tetrachloroethene
TPH-G = total petroleum hydrocarbons with gasoline distinction
MTBE = methyl tertiary butyl ether
TCE = trichloroethene
1,1-DCA = 1,1 dichloroethane
1,1-DCE = 1,1 dichloroethene
fbg = feet below grade
µg/l = micrograms per liter
-- = not analyzed, measured, or collected

Exhibit 3

Figures



N

LEGEND

- MMW-5 — Monitoring Well with Groundwater Elevation (feet)
- 117 — Operational Oil Well
- Chainlink Fence
- Gate
- 27.75 — Groundwater Elevation Contour
- General Direction of Groundwater Flow

NOTE:

Contour lines are interpretive based on fluid levels measured in wells. Elevations are calculated using survey data to an arbitrary benchmark of 100 feet.

SCALE (FEET)

0 100 200

GROUNDWATER ELEVATION CONTOUR MAP
May 2, 2000

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

TRC Alton Geoscience

FIGURE 2

23-0134 QMS 5/17/00 jrw

EQUIPMENT REPAIR AREA

BUILDING

ASPHALT

BUILDING

ABOVE GROUND STORAGE TANK FARM

112

113

MMW-3
ND
ND
ND
5.0
16
1.8
9.2

EQUIPMENT STORAGE AND MAINTENANCE AREA

BUILDING

111

BONEYARD AREA

MMW-4
ND
ND
ND
4.4
12
1.7
1.8

117

MMW-5
ND
ND
ND
660
90
3.4
39

CONCRETE WALL

BUILDING

EQUIPMENT STORAGE & REPAIR AREA

CHAINLINK FENCE

CONTINENTAL HEAT TREATING, INC.

N

LEGEND

WELL No.
TPH-G
B
MTBE
PCE
TCE
1,1-DCA
1,1-DCE

Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations (µg/l)

NOTES:

TPH-G = total petroleum hydrocarbons as gasoline, B = benzene, MTBE = methyl tertiary butyl ether, PCE = tetrachloroethene, TCE = trichloroethene, 1,1-DCA = 1,1-Dichloroethane, 1,1-DCE = 1,1-Dichloroethene. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.

SCALE (FEET)

0 100 200

DISSOLVED-PHASE HYDROCARBON CONCENTRATION MAP
May 2, 2000

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

TRC Alton Geoscience

FIGURE 3

23-0134 QMS 5/17/00 jrw

Exhibit 4

Groundwater Elevation vs. Benzene Graphs

Exhibit 5

Well Purging and Groundwater Sampling Protocol

Exhibit 6

Monitoring Well Sampling Forms

FIELD MONITORING DATA SHEET

ALTON GEOSCIENCE

03083/

Technician: Jason N.   Job #/Task #: 23-0134-01   Date: 3-21-00

Site # Jalk Fee   Project Manager John Trompeter   Page 1 of 1

Well #	D.O. [redacted]	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-3	0.43	X	93.08	71.74	⊖	⊖	10:38	
MW-4	0.63	X	104.90	74.34	⊖	⊖	11:38	
MW-5	0.76	X	106.20	72.90	⊖	⊖	12:34	

File

FIELD DATA COMPLETE X   QA/QC   COC X   WELL BOX CONDITION SHEETS X

WTT CERTIFICATE   MANIFEST   DRUM INVENTORY X   TRAFFIC CONTROL

FLDMON.XLS 3/20/00

GROUNDWATER SAMPLING FIELD NOTES

Site: Talk-Fee Project No.: 23-0134-00 Sampled By: Jason N. Date: 3-21-00

Well No. MW-3 Purge Method: Sub
Depth to Water (feet): 71.74 Depth to Product (feet): 0
Total Depth (feet) 93.08 LPH & Water Recovered (gallons): 0
Water Column (feet): 21.34 Casing Diameter (Inches): 4"
80% Recharge Depth (feet): 76.00 1 Well Volume (gallons): 14

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
10:11			14	2.18	73.8	6.03
			28	2.04	73.7	8.47
	10:26		42	2.02	72.3	8.49

Static at Time Sampled	Total Purged	Time Sampled
71.78	42	10:38

Comments:

Well No. MW-4 Purge Method: Sub
Depth to Water (feet): 74.34 Depth to Product (feet): 0
Total Depth (feet) 104.90 LPH & Water Recovered (gallons): 0
Water Column (feet): 30.56 Casing Diameter (Inches): 4"
80% Recharge Depth (feet): 80.45 1 Well Volume (gallons): 20

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
11:01			20	2.26	79.6	7.10
			40	2.32	76.7	7.28
	11:27		60	2.28	76.6	7.57

Static at Time Sampled	Total Purged	Time Sampled
74.36	60	11:38

Comments:

Well No. MW-5 Purge Method: Sub
Depth to Water (feet) 72.90 Depth to Product (feet): 0
Total Depth (feet): 106.20 LPH & Water Recovered (gallons): 0
Water Column (feet) 33.30 Casing Diameter (inches): 4"
80% Recharge Depth (feet): 79.56 1 Well Volume (gallons): 22

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
11:49			22	2.06	80.1	7.41
			44	2.08	80.7	8.35
	12:22		66	2.06	79.5	7.78

Static at Time Sampled	Total Purged	Time Sampled
72.85	66	12:34

Comments:

Well No._____ Purge Method:_____
Depth to Water (feet)_____ Depth to Product (feet):_____
Total Depth (feet):_____ LPH & Water Recovered (gallons):____
Water Column (feet)_____ Casing Diameter (inches):_____
80% Recharge Depth (feet):_____ 1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

Well No._____ Purge Method:_____
Depth to Water (feet)_____ Depth to Product (feet):_____
Total Depth (feet):_____ LPH & Water Recovered (gallons):____
Water Column (feet)_____ Casing Diameter (inches):_____
80% Recharge Depth (feet):_____ 1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH

Static at Time Sampled	Total Purged	Time Sampled

Comments:

FIELD REPORT - DRUM INVENTORY

Project Number: 23-0134-70 Date: 3-21-00

Site/Station I.D. Talk Fee-002

Address: 10607 Norwalk Blvd.

Active Station? No

Drums Needed: 3 Drums Used: 3

Drums Empty: 0 Drums Full: 3

Drums Labeled: 3 Not Labeled: 0

Total Gallons for Today: 168 GALLONS

Field Notes: Drums are located by the dispatch office. Have watchman pick-up drum with fork lift.

Drums needed for next event: 3 Scheduled for:

Special Instructions:

3/17
3-21

ALTON GEOSCIENCE

TECHNICAL SERVICES REQUEST FORM

29-Feb-00

Site ID.: Jalk Fee-002 **Project No.:** 23-0150-01
Address 10607 Norwalk Blvd. **Customer:** Mobil Property
City: Santa Fe Springs **Customer Contact:**
Cross Street **TG Page/Coord:** /

Consultant/Contact: Alton Geoscience John Trompeter 949-753-0101

Total number of wells: 3 **Test For:** TPH-G and full scan 8260
Depth to Water (ft.): 65 **Lab Used:** Calscience — HAVE CALSCIENCE
Max. Well Diameter (in.): 4 **Requirements:** Require bill ALTON FOR THIS SITE.
Max. Well Depth (ft.): 110

ACTIVITIES:	Curr. Schdl.	Next Schdl.	Frequency	Task #	Notes (4 VOAS)
Fl. Monitoring: ☑	3/6/00	6/6/00	Quarterly	030B	23-0134-01
Purge/Sampling: ☑	3/6/00	6/6/00	Quarterly		
No Purge/Sampl ☐					
LPH Pumpouts: ☐					

RELATED ACTIVITIE	Task #	Note
Traffic Control: ☐		
VAC Truck: ☐		
Treatment Trailer ☐		
Drums: ☑		Leave drums onsite - project manager will take care of it.
Holding Tank: ☐		

	Phone #	Agency	Contact
Notify Agency (48 hrs)			
Notify Station (48 hrs):			

Measure D.O. on all wells.

NEED DO

SHOULD HAVE SET DAY & CALL AND TELL OWNER THAT WE ARE COMING AS TRUCKS & EQUIPMENT MUST BE MOVED

Exhibit 7

Analytical Laboratory Data Sheets

Exhibit 8

Manifests